

PHOTOGRAPHIC INTERPRETATION REPORT



# MISSION 1022-1 20-23 JULY 1965

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25X2

# TOP SECRET CHESS RUFF

MISSION 1022-1 -20-23 JULY 1965

TCS-80983/65

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FOP SECRET CHESS RUFF

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# MISSION 1022-1

#### PREFACE

THIS IS THE SECOND AND FINAL OAK REPORT ON MISSION 1822-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH), DR M FOR A MIXED ASCENDING AND DESCENDING PASS. FRAMES ARE INDICATED BY THE LETTERS. FR. THE LETTER F. PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AET CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS --- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUDS), SC (SCATTERED SCLOUDS), SD (SEMIDARKNESS), D (OBLIQUITY), AND S (SNOW).

THE QUALITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR), THE EXTENT OF PHOTOGRAPHIC COVERAGE. IS DENOTED BY THE SYMBOLS T (TOTAL), PT (PARTIAL) OR ID (IDENTIFICATION ONLY), THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), MN (MONO), OR PST (PARTIAL STEREO).

DAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

Next 1 Page(s) In Document Exempt

Highlights

# TOP SECRET CHESS RUFF MISSION 1022-1 20-23 JULY 1965

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HIGHLIGHTS 25X1A

# 1. SARY-SHAGAN ANTIMISSILE TEST CENTER

THE MOST SIGNIFICANT DEVELOPMENT OBSERVED AT THE CENTER IS THE CONSTRUCTION OF Z MODIFIED TALLINN-TYPE AMMISAM LAUNCH AREAS, ONE OF WHICH IS LOCATED WITHIN LAUNCH COMPLEX A, WHILE THE SECOND AREA IS APPROXIMATELY 2.5 NM NORTH OF THE MAIN SUPPORT BASE. IN ADDITION TO THE TALLING TYPE LAUNCH AREAS, 2 PROBABLE UNIDENTIFIED TYPES OF LAUNCH AREAS ARE ALSO UNDER CONSTRUCTION AT THE CENTER.

# 2. LYUDENEVICHI FIXED FIELD MRBM SITE (MISSILE BONUS)

SITE CONSISTS OF 4 LAUNCH POSITIONS LOCATED 7.5 NM NNW OF KOZHANOVICHI LAUNCH SITE 2.

# DLENEGORSK SA-3 SAM ASSEMBLY FACILITY (MISSILE BONUS)

COMPLETED SA-3 SAM ASSEMBLY FACILITY IS NEWLY IDENTIFIED 12 NM ENE OF OLENEGORSK AT 68-12-50N 033-50-15E.

# OLENEGORSK SAM SITE (MISSILE BONUS)

A 6 POSITION, CATEGORY 1 SA-0 SAM SITE UNDER CONSTRUCTION IS NEWLY IDENTIFIED.

#### 25X1A 5. NEZHIN AIRFIELD

A 1,600-FT CONCRETE EXTENSION IS UNDER CONSTRUCTION.

#### 25X1A SAKI AIRFIELD

STATEEN PROBABLE BLINDER AIRCRAFT OBSERVED.

25X

## STATUS OF COMOR TARGET READOUT

FIFTY-TWO COMOR TARGETS WERE OBSERVED DURING THE DAK REPORTING PERIOD AND ARE CONTAINED IN THIS DAK.

# TOP SECRET CHESS RUFF

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### TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

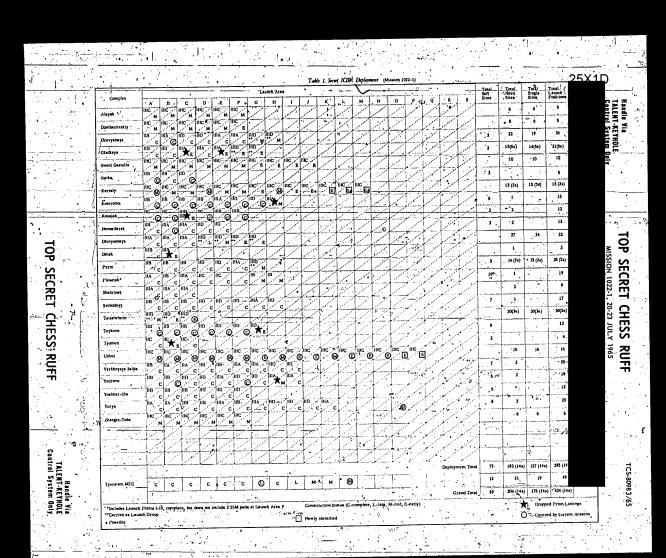
TABLE 1 -- SOVIET ICHM DEPLOYMENT

TABLE 2 - SOVIET MRBM AND IRBM DEPLOYMENT

25X2

TABLE 5 -- AIRCRAFT ACTIVITY

TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES



# TOP, SECRET CHESS RUFF

	Ta.	ole z Soviet Mi		<u> </u>		
Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Afeas	Total Launch Positions
Western	120	. 11	16	11	160	627
Caucasus	3		2	8	8	- 29
Central Asia	2	. 3	1	3~	, 9	33
Far Eastern	y 10	, 1	•	1	.12	: 47
Totals	185	15	21	18	i89	736

Sovetskaya Gavan.

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5			/ es/	Bania	Bulgaria	76,000		Tagen of	Pulana	Z. mania	Sos/apia	<b>a</b> /	And Rong	P Gonosia	d d	100	g / 6	Totala
		/ క	/ `	//	8 C		/ 🛎	/ &	<u> </u>	<u> </u>	<u>,                                    </u>			/ 4	2/ 0		<u> </u>	
	SA-0	18						,										13
-	SA-1 SAM sites	56							,	٠.	_	,		•				56
		1012*	2	19	24	53	16	30	18	4	18	2	5	23	21**	10	7 :	1264
	SA-8	112					-	1			,				,			113
	SA-2 SAM Support Facilities	194	1	4	6	5	3	6	3	1		1	1:	4	6 -	3		238
	SA-3 SAM Assembly Facilities	11					1											. 11
	AMM/SAM Complexes	7												· .			7	7

<sup>\*</sup>Does not include 4 alternate sites, USSR.

TOTALS AS OF MISSION (1022-1)

TOP SECRET CHESS RUFF

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<sup>\*\*</sup>Does\_not include 25 abandoned sites.

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25X1D 25X1D Handle Via
TALENT-KEYHOLE
Control System Only 5 25. 33 3 31 4 34 30 30 30 30 30 30 31 30 32 31 4 34 34 31 34 31 4 34 31 34 31 34 31 34 31 34 31 34 31 34 31 34 31 34 31 34 31 34 31 36 31 37 31 38 31 21 10 40 TOP SECRET CHESS RUFF TOP SECRET CHESS RUFF MISSION 1022-1, 20-23 JULY 1965 10 418 - 10 348 28 0 20 31 0 26 29 28 Kazan Airtran Gorbunov 22 Khorol Last Mai-Yevr Melitopok, Julian Jidach Mirgorod Muzdok, a 25 TALENT KEYHOLE
Control System Only 2) 29 - TCS-80983/65 25X9.

Base
Balegra
Bukhta
Kunyashkura
Dunay
Gorkiy
Guba Liten
Guba Olenya
Guba Vana
Guba Ulenya
Guba Kron-stadt
Leningrad
Liepija
Magadan
Pertepakuwak
Petraska
Polyarnyy
Riga
Rosta
Sen satopoil
Sen erundrak

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TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF
MISSION 1022-1, 20-23 JULY 1965

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Missiles

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# TOP SECRET CHESS RUFF

MISSION 1022-1 20-23 JULY 1965

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· 25X1D

#### MISSILES

KOSTROMA ICBM COMPLEX

UR 5746N Ø41Ø1E

25X1D NO SIGNIFICANT CHANGES OBSERVED SINCE MISSION

VEHICLES/PIECES OF EQUIPMENT ARE VISIBLE ON PADS OR LOOP ROADS AT LAUNCH AREAS A (SITE 1), C (SITE 3), F (SITE 6), AND G (SITE 7).

25X1D

TEYKOVO ICBM COMPLEX

UR 5652N Ø4Ø34E

NO SIGNIFICANT CHANGES OBSERVED AT THE COMPLEX. THE RAIL-TO-ROAD TRANSFER POINT IS CLOUD COVERED.

25X1D

YEDROVO ICBM COMPLEX

UR 5751N Ø334ØE

LAUNCH AREAS B (SITE 1) AND F (SITE 6) CAN BE IDENTIFIED ONLY. LAUNCH AREAS G (SITE 7) AND C (SITE 5) ARE CLOUD COVERED. THE REMAINDER OF THE COMPLEX IS NOT COVERED ON PHOTOGRAPHY.

25X1D

KOZELSK ICBM COMPLEX

UR 5356N #3549E

NO SIGNIFICANT CHANGE OBSERVED AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, OR LAUNCH AREAS A (SITE 3), B (SITE 2), D (SITE 4), E (SITE 5) AND F (SITE 6). THE 3 UNIDENTIFIED AREAS SEEN ON MISSION ARE OBSCURED BY CLOUDS.

25X1D

25X1D

TATISHCHEVO ICBM COMPLEX

UR 5140N 04534E

PROBABLE SITES C3 (SITE 25), C5 (SITE 26), AND POSSIBLE SITES C6 (SITE 22) AND C9 (SITE 34) CAN BE IDENTIFIED

25X1A

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# TOP SECRET CHESS RUFF MISSION 1022-1 20-23 JULY 1965

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· 25X1A

ONLY. THE REMAINING SITES ARE CLOUD COVERED/NOT COVERED.

EVIDENCE OF DISMANTLING OR DESTRUCTION OBSERVED.

FIVE AREAS OF UNIDENTIFIED ACTIVITY ARE OBSERVED JUST EAST OF LAUNCH GROUP C. BUT OBLIQUITY AND POOR IMAGE QUALITY PRECLUDE INTERPRETATION.

25X1D

MARINA GORKA MRBM LAUNCH SITE

25X1D

UR 5326N Ø2745E

, NO

25X1D

SARY-SHAGAN ANTIMISSILE TEST CENTER

NO APPARENT CHANGE SINCE MISSION

UR 4602N 07334E

ALL FACILITIES AT THE TEST CENTER ARE COVERED BY FAIR TO VERY GOOD QUALITY PHOTOGRAPHY EXCEPT SITE 13 AND THOSE FAGILITIES SITUATED WEST OF INSTRUMENTATION SITE 8. THE MOST SIGNIFICANT DEVELOPMENT OBSERVED AT THE CENTER IS THE CONSTRUCTION OF 2 MODIFIED TALLINN-TYPE AMM/SAM LAUNCH AREAS, ONE OF WHICH IS LOCATED WITHIN LAUNCH COMPLEX A, WHILE THE SECOND AREA IS APPROXIMATELY 2.5 NM NORTH OF THE MAIN SUPPORT BASE. IN ADDITION TO THE TALLINN-TYPE LAUNCH AREAS, 2 PROBABLE UNIDENTIFIED TYPES OF LAUNCH AREAS ARE ALSO UNDER CONSTRUCTION AT THE CENTER.

25X1D

THE MODIFIED TALLINN-TYPE LAUNCH AREA AT LAUNCH COMPLEX A CONSISTS OF 2 LAUNCH SITES, EACH CONTAINING 6 LAUNCH POSITIONS AND A CENTRAL GUIDANCE/CONTROL POSITION IN VARYING STAGES OF CONSTRUCTION. NO EVIDENCE COULD BE FOUND OF THIS AREA ON MISSION
THE LAUNCH POSITIONS HAVE THE TALLINN-TYPE FURKED SIX OF THE DISTINCTIVE ROAD PATTERN AND REVETMENT PATTERNS. SYSTEM FOUND AT TALLINN APPEARS TO HAVE BEEN ALTERED THE ROADS APPEAR TO SERVE EACH POSITION FROM THE SAME SIDE AND TO DATE, DO NOT ORIGINATE FROM A CENTRAL INNER LOOP ROAD. MOST OF THE POSITIONS APPEAR TO BE PROTECTED BY A GENERALLY SEMI-CIRCULAR REVETMENT CLOSE TO THE PROBABLE LAUNCH POINT. A LOOP ROAD IS LOCATED SOUTH OF THE 2 LAUNCH SITES. A PROBABLE ELECTRONIC SITE WILL PRESUMABLY BE SUPERIMPOSED ON THE CONVENTIONAL SAM SITE BØ4-2. ACTIVITY TO DATE AT THE

14

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SAM SITE CONSISTS OF SEVERAL NEW ROADS (1 BREAKING THE FENCE LINE), THE REMOVAL OF 1 HOLD POSITION, AND THE-ADDITION OF SEVERAL SMALL STRUCTURES.

THE OTHER TALLINN-TYPE LAUNCH AREA LOCATED 2.5 NM NORTH OF THE MAIN SUPPORT BASE CONSISTS OF 3 LAUNCH SITES EACH CONSISTING OF 6 LAUNCH POSITIONS AND A REVETTED GUIDANCE/CONTROL POSITION IN VARIOUS STAGES OF CONSTRUCTION. NO EVIDENCE COULD BE FOUND OF THIS AREA A SMALL DARK PATTERN IS ON MISSION VISIBLE AT THE PROBABLE LAUNCH POINT OF EACH POSITION. AND TALLINN-TYPE FORKED PATTERNS ARE VISIBLE AT CERTAIN OF THE POSITIONS. DISTANCES FROM POSITION TO POSITION AND SITE TO SITE COMPARE FAVORABLY WITH THOSE AT THE TALLINN AMM/SAM LAUNCH COMPLEX. THE DISTINCTIVE ROAD AND REVETMENT SYSTEM FOUND AT THIS SITE APPEARS TO HAVE BEEN ALTERED AS WAS THE SYSTEM AT THE NEW LAUNCH AREA AT COMPLEX A.. A LOOP ROAD IS ADJACENT TO THE CENTRAL LAUNCH SITE. AN ELECTRONICS SITE IS LOCATED APPROXIMATELY 3,200 FT TO THE NW AND CONSISTS OF AN OCCUPIED REVETTED CENTRAL CONTROL POSITION AND 3 HOUNDS OCCUPIED BY EQUIPMENT. A PROBABLE SUPPORT AREA UNDER CONSTRUCTION IS LOCATED JUST TO THE SOUTH OF THE LAUNCH SITES

A PROBABLE LAUNCH AREA IS UNDER CONSTRUCTION APPROXIMATELY 215 NM TO THE NW OF THE LATTER TALLINN-TYPE LAUNCH AREA AND IS CONNECTED TO IT BY EXTENSIVE TRACKAGE AND A PROBABLE CABLE LINE. LAUNCH AREA CONSISTS OF 2 SITES IN AN INITIAL STAGE OF CONSTRUCTION. AN ELECTRONIC SITE UNDER CONSTRUCTION CONTAINING A CENTRAL CONTROL POSITION, AND AN OCCUPIED POSSIBLE MOUND. THIS AREA WAS NOT VISIBLE ON MISSION

A SECOND PROBABLE LAUNCH AREA, WHICH WAS NOT VISIBLE ON IS SITUATED APPROXIMATELY 4,000 FT EAST OF THE MISSILE STORAGE AREA AT LAUNCH COMPLEX A (SITE 2830). THIS SITE WHICH BEARS A RESEMBLANCE TO THE OTHER NEW PROBABLE LAUNCH AREA CONSISTS OF A PROBABLE LAUNCH AREA HAVING 2 PROBABLE LAUNCH SITES UNDER CONSTRUCTION, AND AN ELECTRONIC SITE WITH AN OCCUPIED CENTRAL CONTROL POSITION AND 4 MOUNDS OCCUPIED BY EQUIPMENT. A GROUND SCAR, PROBABLY FOR A CABLE 25X1D LINE, EVIDENT FOR THE FIRST TIME ON MISSION EXTENDS TO THE SITE FROM A POINT JUST NORTH OF THE NE DUTRIGGER AT ELECTRONIC SITE C.

AT LAUNCH COMPLEX A, THE CENTRAL AREA, THE SINGLE

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25X1D

25X1D

25X1D

ELECTRONIC SITE C.

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HARDSTAND, AND 4 LAUNCH POSITIONS AT LAUNCH SITE 1 ARE OCCUPIED. ALL POSITIONS OF EAUNCH SITES 3 AND 4 AND ELECTRONIC SITES A AND B ARE OCCUPIED. SITE 2 REMAINS INACTIVE. TWO OBJECTS ARE POSITIONED AT THE EAST END AND 1 OBJECT AT THE WEST END OF REVETIED LAUNCH POSITION 5 AND UNREVETTED POSITION 6 OF SITE 3, 1 OF THE 3 RADARS DEPLOYED AT ELECTRONIC SITE B IS NO LONGER PRESENT. IN THE SE SECTOR OF LAUNCH SITE 5, A TRAIL-SERVED AREA OF UNIDENTIFIED ACTIVITY IS NOTED SINCE MISSION AT LAUNCH SITE 6. TWO DARK OBJECTS OR PATTERNS (NOT PRESENT ON MISSION ARE OBSERVED BETWEEN THE CURVED BUILDING AND THE LAUNCHER/ERECTOR. A SMALL MOUNDLIKE STRUCTURE IS NOTED NEAR THE SE CORNER OF THE SITE. NO OTHER SIGNIFICANT CHANGES ARE APPARENT AT LAUNCH SITES 5 AND 6, OR

25X1D

THE ONLY OBSERVABLE CHANGE AT LAUNCH COMPLEX B (SITE 1 B14) SINCE MISSION IS IN THE AREA OF THE TRIAD. THE TRACKING DISH WHICH HAD BEEN ON THE GROUND ADJACENT TO THE LARGE TRIAD BUILDING IS NO LONGER VISIBLE. THE CAP REMAINS ON THE ENVIRONMENTAL SHELTER ON THE ROOF OF THE LARGE TRIAD BUILDING. ADDITIONAL EARTH HAS BEEN REMOVED FROM THE LONG MOUND JUST WEST OF THIS BUILDING.

25X1D

25X1D

NO SIGNIFICANT CHANGE IS APPARENT IN THE TRIAD AREA AT SITE 10 SINCE MISSION SOME WORK APPEARS TO BE IN PROGRESS ON THE ROOF OF THE LARGE TRIAD BUILDING AT. INSTRUMENTATION SITE 2 SINCE MISSION THE ANTENNA FACE OF THE HEN HOUSE ANTENNA IS BLACK. APPROXIMATELY MIDWAY BETWEEN THE REFLECTOR SCREEN AND CLUTTER SCREEN AT HEN ROOST ANTENNA NORTH IS A DARK LINEAR PATTERN AND SEVERAL SMALLER PATTERNS, SOME OF WHICH MAY POSSIBLY BE OPEN STORAGE. AT INSTRUMENTATION SITE 1, TWO SMALL IN THE 25X1D DOMES HAVE APPEARED SINCE MISSION AREA BETWEEN THE 2 TRACKING STATIONS AND POSITIONED ALONG A N/S AXIS. CONSTRUCTION CONTINUES ON THE 2 BUILDINGS IN THE SWECORNER OF THE SITE. A POSSIBLE. ANTENNA CAN BE IDENTIFIED ON THE ROOF OF THE LARGER CONTROL-TYPE BUILDING UNDER CONSTRUCTION, WHICH IS CONNECTED BY CABLE TO THE WESTERNMOST BUILDING OF THE 2 TRACKING STATIONS.

A POSSIBLE BADGER-TYPE AIRCRAFT IS PARKED AT THE LONG DIRT STRIP. 25X1D

NO SIGNIFICANT CHANGES ARE OBSERVED SINCE MISSION AT THE NEW AIRSTRIP, THE NEW ROAD EXTENDING SW FROM INSTRUMENTATION SITE 2, SAM TRAINING CENTER, AND

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25X1D

INSTRUMENTATION SITES 3, 4, 5, 6, 7, 8, 9, 11, AND 12.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS

25X1D

NEW LAUNCH AREA NEAR MAIN SUPPORT BASE -

& A/55 PROBABLE LAUNCH AREA UNDER CONSTRUCTION NEAR LAUNCH

COMPLEX A --NEW MODIFIED TALLINN-TYPE LAUNCH AREA NEAR LAUNCH

COMPLEX A --

LAUNCH COMPLEX A --LAUNCH COMPLEX B -HEN ROOST ANTENNAS INSTRUMENTATION SIT LONG DIRT STRIP

& (SEE ATTACHMENT)

25X1D 25X1D

25X1D

25X1D

KEMEROVO ROCKET MOTOR TEST FACILITY

5526N Ø8557E

25X1A

25X1A

CONSTRUCTION CONTINUES AT THE FACILITY. A LONG NARROW BUILDING IS NOW DISCERNIBLE WITHIN THE ANGLE OF THE REVETMENT AT THE END OF THE CURVED RAIL SPUR. THE NARROW BUILDING GENERALLY PARALLELS THE NE/SW WALL OF THE L-SHAPED REVETMENT.

NO INDICATIONS OF TEST ACTIVITY OBSERVED.

\_25X1D

47Ø5N Ø373ØE ZHDANOV SUSPECT ANTI-SATELLITE LNCH FAC UR

NO ANTI-SATELLITE LAUNCH FACILITY OBSERVED IN CLOUD-FREE AREAS WITHIN 50-NM RADIUS OF ZHDANOV.

25X1D

OSTROG PROB INDUSTRIAL INSTALLATION

5025N 02631E UR

CONSTRUCTION APPARENTLY IS CONTINUING AT THIS PROBABLE INDUSTRIAL FACILITY WHICH IS IN THE EARLY STAGES OF

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CONSTRUCTION. EXTENSIVE EARTH GRADING IS APPARENT BUT NO LARGE BUILDINGS OR IDENTIFIABLE FEATURES ARE EVIDENT. NO SIMILAR AREAS WERE NOTED WITHIN A 25-NM RADIUS IN THE CLOUD-FREE AREAS OF THE PHOTOGRAPHY.

25X1D

PETROPAVLOVSK NAVAL BASE TARYA BAY

UR 5255N 1583ØE

<u> 25X1A</u>

25X1D 25X1D NO APPARENT CHANGE IN FACILITIES AT SUBMARINE BASE AND MISSILE STORAGE SINCE MISSION WESTERNMOST PIER APPROACH, OBSERVED UNDER CONSTRUCTION ON MISSION APPEARS COMPLETED BUT AS YET NO PIER HAS BEEN BUILT: ONLY 2 PIERS HAVE BEEN COMPLETED IN THE WESTERNMOST AREA OF THE SUBMARINE BASE (THE AREA

25X9

VESSELS -- AT SUBMARINE BASE -- 1 POSSIBLE LARGE SS AND 2 UNIDENTIFIED SMALL AUXILIARIES AT WESTERNMOST PIER AREA, 1 LARGE SS, 1 MEDIUM SS, 1 PROBABLE MEDIUM SS, 4 POSSIBLE MEDIUM SS, 4 SMALL SS, 2 AS, 1 DD, 1 APL, 1 TRANSPORTER DOCK, AND SEVERAL UNIDENTIFIED SMALL CRAFT AT REMAINING PIERS, AND 1 POSSIBLE E-CLASS SSGN PROCEEDING OUTBOUND, DEF NORTH COAST OF TARYA PENINSULA.

AT SELDEVAYA BAY NAVAL REPAIR BASE -- 1 LARGE FLOATING DOCK CONTAINS 1 LARGE AND 1 SMALL SS. ONE DD, 1 LARGE UNIDENTIFIED AUXILIARY, AND SEVERAL UNIDENTIFIED SMALLER VESSELS ARE AT PIER AREA.

AT PETROPAVLOVSK NAVAL MISSILE SUPPORT FACILITY -- 1 UNIDENTIFIED AUXILIARY MEDITERRANEAN MODRED TO QUAY AND 2 DESNA-CLASS AGM ANCHORED DEF SHORE.

25X1D

SOVETSKAYA GAVAN SUBMARINE BASE UR 4902N 14016E

25X1A

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

VESSELS -- 2 SS AT PIER AND 1 POSSIBLE SS ALONG OFF-SHORE WHARF.

25Y1D

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25X1A

SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263 UR. 4858N: 14817E

IDENTIFICATION ONLY.

25X1D

MOSCOW SUSPECT ABM AREA

UR 5545N Ø3737E

APPROXIMATELY 30 PERCENT OF 75-NM-RADIUS SEARCH AREA OBSERVED ON CLEAR-TO-HEAVY CLOUD-COVERED PHOTOGRAPHY. NO NEW SARY-SHAGAN OR LENINGRAD-TYPE INSTALLATIONS,

25X9

AT SA-1 SAM SITE EØ5-1, CONSTRUCTION CONTINUES ON BOTH TRIADS. AT THE ORIGINAL TRIAD, CIRCULAR SECTIONS HAVE BEEN EMPLACED ON THE ROOF OF THE LARGE BUILDING AND THE SMALLER EASTERN BUILDING. A SECOND CIRCULAR SECTION FOR THE LARGE BUILDING SO POSITIONED ON THE GROUND JUST NW OF THE BUILDING AT THE EDGE OF THE TREE LINE.

IN THE SECOND TRIAD AREA, GRADING AND EXCAVATION ACTIVITY CONTINUES AT ALL 3 CLEARINGS. NO SIGNIFICANT CHANGE WAS NOTED AT THE PROBABLE TRIAD UNDER CONSTRUCTION AT E24-1 SINCE MISSION 25X1

THE FACILITIES AT E15-1 AND E33-1 WERE CLOUD COVERED. 25X1D NO SIGNIFICANT CHANGES OBSERVED SINCE MISSION AT SAME SAME SITES CØ4-1, CØ7-1, C14-1, C31-1, C33-1, C35-1, C36-1, EØ1-1, EØ2-1, EØ3-1, EØ4-1, EØ6-1, EØ7-1, E13-1, E25-1, E32-1, E34-1, E35-1, AND E36-1. THE REMAINDER OF THE SA-1 SAM SITES ARE EITHER CLOUD COVERED OR NOT COVERED.

25X1D

LENINGRAD AMM/SAM LAUNCH COMPLEXES

UR 5955N Ø3Ø2ØE

THE NW LAUNCH COMPLEX IS COVERED BY HEAVY CLOUDS WITH THE ELECTRONIC SITE VISIBLE IN NON-STERED COVERAGE AND ONLY SMALL PORTIONS OF THE REST OF THE COMPLEX VISIBLE. NO SIGNIFICANT CHANGES ARE OBSERVED.

THE NE LAUNCH COMPLEX IS COVERED BY CLEAR, STEREO PHOTOGRAPHY. CONSTRUCTION ACTIVITY REPORTED ON MISSION

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### TOP SECRET CHESS RUFF

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25X1D

CONTINUES IN THE VICINITY OF THE COMPLEX CONTROL CENTER. THE PREVIOUSLY EXISTING EARTH SCARS EAST AND NORTHWEST OF THE COMPLEX CONTROL CENTER HAVE BEEN EXPANDED. THERE IS A NEW SCARRED AREA SE OF THE LARGE MOUND. THERE IS AN INDICATION OF INCREASED ACTIVITY AT THE SE AND NW EDGES OF THE COMPLEX CONTROL CENTER AREA -- SMALL AREAS HAVE BEEN CLEARED AND AT EACH EXTREMITY THERE ARE UNIDENTIFIED POSSIBLE VEHICLES/ OBJECTS. A CABLE TRACE CONNECTS THE 2 AREAS ALONG THE SW EDGE OF THE COMPLEX. TWO CABLE TRACES FROM THE COMPLEX CONTROL CENTER TO LAUNCH SITES A AND D (THE LATTER POSSIBLY SERVICING SITE E AS WELL) ARE NEWLY IDENTIFIED. THE LIGHT-TONED APPEARANCE OF LAUNCH SITES B, C, D, AND E INDICATES THAT THEY PROBABLY HAVE BEEN CLEARED OF VEGETATION. THE CONTROL BUILDING AT SITE C APPEARS TO BE MOUNDED OVER, AND AT SITE D AT LEAST PARTIALLY SO. AT SITE C, ONLY 2 RAILS CAN BE OBSERVED AT THE REAR OF EACH OF THE MISSILE READY BUILD-INGS. AT THE OTHER SITES, 5 RAILS ARE OBSERVED AT EACH BUILDING. ON MISSION FIVE RAILS WERE CLEARLY VISIBLE AT EACH BUILDING. THO NEW EARTH SCARS. APPROXIMATELY, 1,800 X 300 FT AND 400 X 300 FT, ARE DBSERVED SW OF THE COMPLEX. THE SECURITY FENCE ON THE SOUTH SIDE OF ELECTRONIC SITE AND CONTROL CENTER APPEARS TO HAVE BEEN IMPROVED.

25X1D

25X1D.

THE SW LAUNCH COMPLEX IS ALSO COVERED ON CLEAR, STEREO COVERAGE. A NEW LOOP ROAD HAS BEEN CONSTRUCTED 25X1D ADJACENT TO THE COMPLEX MAIN ROAD OPPOSITE SITE A. TREES HAD BEEN CLEARED FOR THIS LOOP ON MISSION A NEW CABLE TRACE HAS BEEN EXTENDED FROM SITE OF THE SUPPORT AREA. THERE IS A LARGE ARC-LIKE IMAGE MIDWAY BETWEEN THE WESTERN OUTRIGGER AND THE CONTROL CENTER. HOWEVER, SMALL SCALE AND GROUND CLUTTER PREVENT FURTHER INTERPRETATION. THERE HAS BEEN NO SIGNIFICANT CHANGE IN THE LAUNCH SITES.

NO SIGNIFICANT CHANGE IS OBSERVED AT THE LENINGRAD AMM/SAM TRAINING SITE SINCE MISSION

25X1D

NO NUCLEAR STORAGE OR NEW ELECTRONIC FACILITIES.

ASSOCIATED WITH AMM/SAM LAUNCH COMPLEXES IDENTIFIED IN
THE CLOUD-FREE PORTIONS OF THE 40-NM SEARCH AREA.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS

NW COMPLEX --

25X1D

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### TOP SECRET CHESS RUFF

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TRAINING SITE SW COMPLEX ---

25X1D

(SEE ATTACHMENT)

25X1D

CHEREPOVETS AMM/SAM LAUNCH COMPLEX

UR - 59Ø6N Ø381ØE

25X1*A* 

\_ LAUNCH COMPLEX IS CLOUD COVERED.

SEARCH AREA IS 50 PERCENT CLOUD COVERED. COMMUNICATIONS OR ELECTRONIC FACILITIES OBSERVED. IN CLOUD-FREE AREAS.

25X1D

LYUDENEVICHI FIXED FIELD MRBM SITE

UR 5218N Ø2742E BONUS

5.5 NM NORTH OF LYUDENEVICHI AT 52-18-00N 027-42-30E.

SITE CONSISTS OF 4 LAUNCH POSITIONS SET IN A DENSE WOODED AREA, AND LOCATED 7.5 NM NNW OF KOZHANOVICHI LAUNCH SITE 2. THE ORIENTATION OF THE SITE APPROXIMATES THE ORIENTATION OF BOTH KOZHANOVICHI MRBM LAUNCH SITES.

25X1D

OLENEGORSK SA-3 SAM ASSEMBLY FACILITY

UR 6812N Ø335ØE BONUS 2

COMPLETED SA-3 SAM ASSEMBLY FACILITY IS NEWLY IDENTIFIED 12 NM ENE OF OLENEGORSK AT 68-12-50N Ø33-5Ø-15E.

25X1D.:

**DLENEGORSK SAM SITE** 

UR · 6818N Ø3358E

BONUS 3

A 6 POSITION, CATEGORY 1 SA-O SAM SITE IS NEWLY IDENTIFIED UNDER CONSTRUCTION 19 NM NE OF OLENEGORSK AT 68-18-10N Ø33-58-40E.

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TOP SECRET CHESS RUFF

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# Air Facilities

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### TOP SECRET CHESS RUFF

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AIR FACILITIES

25X1A

CHEPELEVKA AIRFIELD

UR 4947N Ø3Ø26E

NO NEW FACILITIES OBSERVED.

AIRCRAFT -- 9 BEAR, 31 PROBABLE BEAR, AND 2 MEDIUM STRAIGHT-WING ON PARKING APRONS AND HARDSTANDS ALONG TAXIWAY.

25X1D

OLENEGORSK AIRFIELD

UR 68Ø9N Ø3327E

AIRCRAFT -- 8 MEDIUM SWEPT-WING.

25X1D

NEZHIN AIRFIELD

UR 51Ø5N: Ø3152E

2 NM NNW OF NEZHIN.

8,200 x 265 FT ENE/WSW CONCRETE RUNWAY, SERVICEABLE, WITH A 1,600-FT CONCRETE EXTENSION UNDER CONSTRUCTION ON THE ENE END, AND 10,650 X 490 FT ENE/WSW SOD RUNWAY, SERVICEABLE.

AIRCRAFT -- 6 BADGER ON HARDSTANDS SOUTH OF CONCRETE RUNWAY AND 1 SMALL SWEPT-WING ON GRASS SOUTH OF ENE END OF CONCRETE RUNWAY.

(SEE ATTACHMENT)

25X1D

25X1A

KALININ AIRFIELD

UR 5649N Ø3545E

NO APPARENT CHANGE IN FACILITIES SINCE MOST RECENT COVERAGE.

AIRCRAFT -- 54 PROBABLE BADGER AND 1 PROBABLE BULL.

25X1D

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25X1A

KARANKUT AIRFIELD

25X1D

4534N Ø3416E UR

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

AIRCRAFT -- 3 POSSIBLE BADGER AND 6 POSSIBLE MEDIUM SWEPT-WING.

25X1D

MAL-YAVR AIRFIELD

6852N Ø3343E

NO CHANGES OR NEW CONSTRUCTION OBSERVED.

AIRCRAFT -- 25 PROBABLE BADGER ON HARDSTANDS ALONG EASTERN SIDE OF RUNWAY.

25X1D

SAKI AIRFIELD

45Ø6N Ø3336E

NO NEW CONSTRUCTION, COMMUNICATIONS OR ELECTRONIC FACILITIES, OR NUCLEAR OR MISSILE FACILITIES OBSERVED.

AIRCRAFT -- 16 PROBABLE BLINDER ON MAIN PARKING APRON.

(SEE ATTACHMENT) 25X1D

SARABUZ AIRFIELD

45Ø7N Ø3359E

NO APPARENT CHANGE SINCE MISSION

25X1D

25X1A

25X1A -

AIRCRAFT -- 27 POSSIBLE BADGER AND 2 MEDIUM STRAIGHT-WING.

25X1D

SEVEROMORSK AIRFIELD

69Ø1N Ø3325E UR

NO APPARENT CHANGE IN FACILITIES SINCE MISSION OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1D

TOP SECRET CHESS RUFF

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25X1A

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AIRCRAFT -- 2 HEAVY SWEPT-WING AND 55 MEDIUM SWEPT-WING.

25X1D

NORILSK AIRFIELD NORTHWEST

UR 6923N Ø8748E

FACILITIES INCLUDE 8 BUILDINGS AND NUMEROUS HORIZONTAL POL STORAGE TANKS. NO NEW CONSTRUCTION ACTIVITY OBSERVED.

AIRCRAFT -- NONE OBSERVED.

25X1D

OKTYABRSKOYE AIRFIELD

⊌R 4519N Ø34Ø6E.

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

"AIRCRAFT -- 13 POSSIBLE MEDIUM AIRCRAFT.

25X1D

25X1D

PETROPAVLOVSK/YELIZOVO AIRFIELD

UR 531ØN 15827E

25X1A

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

AIRCRAFT -- 2 MEDIUM SWEPT-WING, 2 POSSIBLE MEDIUM SWEPT-WING, 3 MEDIUM STRAIGHT-WING, AND 9 PROBABLE LIGHT STRAIGHT-WING IN TERMINAL AREA WEST OF NORTH END OF RUNWAY, 9 MEDIUM SWEPT-WING ON HARDSTANDS WEST OF CENTER OF RUNWAY, 2 LIGHT STRAIGHT-WING AND AT LEAST 9 POSSIBLE SMALL AIRCRAFT ON PARKING APRON AT SOUTH END OF RUNWAY, AND 5 LIGHT STRAIGHT-WING AND 2 UNIDENTIFIED POSSIBLE SMALL AIRCRAFT ON PARKING APRON SE OF MAIN RUNWAY.

25X1D

25

TOP SECRET CHESS RUFF

## TOP SECRET CHESS RUFF

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25X1A

KIPELOVO AIRFIELD

UR 5911N Ø39Ø7E

NO CHANGES OR NEW CONSTRUCTION OBSERVED.

ATRCRAFT -- 2 HEAVY SWEPT-WING.

-25X1D

\_ IRKUTSK AIRFRAME PLANT 39

25X1D UR 5221N 18412E

NO APPARENT CHANGE SINCE MISSION NO AIRCRAFT OBSERVED IN PLANT AREA.

25X1D

IRKUTSK AIRFIELD NORTHWEST

UR 5222N 10411E

AIRCRAFT -- 18 PROBABLE BADGER, 9 PROBABLE CAT/CUB, 2 POSSIBLE CAT/CUB, 10 POSSIBLE CAB, AND 5 SMALL AIRCRAFT.

25X1D

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TOP SECRET CHESS RUFF

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Naval Activity/ Ports

## TOP SECRET CHESS RUFF MISSION 1022-1 20-23 JULY 1965

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25X1A

NAVAL ACTIVITY/PORTS

KRONSHTADT NAVAL BASE AND SHIPYARD

UR 5959N Ø2947E

VESSELS -- 4 F/Z-CLASS SS, 6 W/R-CLASS SS, 2 MEDIUM SS, 2 POSSIBLE MEDIUM SS, 3 POSSIBLE SMALL SS, 1 CL, 11 DD, 3 DE, 7 AUXILIARIES (INCLUDING 2 IN DRYDOCK), 2 FLOATING DRYDOCKS, AND NUMEROUS MINOR COMBATANTS.

25X1D

BALAKLAVA SUBMARINE BASE

UR 443ØN Ø3336E 25X9

25X9

NO CHANGES . NEW CONSTRUCTION,

VESSELS -- 2 W/R-CLASS SS AT SW QUAY, 1 UNIDENTIFIED AUXILIARY, AND SEVERAL SMALL UNIDENTIFIED VESSELS AT VARIOUS LOCATIONS WITHIN THE HARBOR AREA.

25X1D

RIGA NAVAL BASE & SHPYD BOLDERAJA

1 IR 57Ø3N Ø24Ø2E

25X1D 25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

VESSELS -- :9 PROBABLE W/R-CLASS SS, 4 PROBABLE SS, 1 PROBABLE DD, 9 UNIDENTIFIED SMALL COMBATANTS, 1 UNIDENTIFIED AUXILIARY, AND NUMEROUS SMALL CRAFT AT NAVAL BASE.

25X1D

LENINGRAD SHIPYARD SUDOMEKH 196

IJR 5956N Ø3Ø17E

NO SIGNIFICANT CHANGES SINCE MISSION NEW CONSTRUCTION OBSERVED IN YARD.

ΩR 25X1D

VESSELS -- 2 POSSIBLE SS, 1 FLOATING DOCK WITH 2 POSSIBLE UNIDENTIFIED VESSELS, AND 2 SURFACE VESSELS AT FITTING OUT QUAY AND 2 UNIDENTIFIED SS AT SCHMIDT EMBANKMENT (NORTH BANK OF NEVA RIVER).

25X1D

TOP SECRET CHESS RUFF

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25X1A

### TOP SECRET CHESS RUFF

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25X1A

LENINGRAD SHIPYARD ZHDANOV 198

UR 5952N Ø3Ø14E

NO CHANGES OR NEW CONSTRUCTION OBSERVED IN YARD FACILITIES.

VESSELS -- 2 PROBABLE DLG, 1 UNIDENTIFIED DD, 4 UNIDENTIFIED VESSELS, AND 2 FLOATING CRANES IN BASIN AND 1 MERCHANT SHIP UNDER CONSTRUCTION AND 1 POSSIBLE FLOATING DOCK UNDER CONSTRUCTION ON BUILDING WAYS.

25X1D

LENINGRAD SHIPYARD ADMIRALTY 194

UR 5955N Ø3Ø16E

25X1D

NO CHANGE IN FACILITIES SINCE MISSION

VESSELS -- 4 UNIDENTIFIED VESSELS IN BASIN, 1 POSSIBLE APL AND 2 UNIDENTIFIED VESSELS IN SLIP, AND 1 LARGE POSSIBLE TANKER UNDER CONSTRUCTION AND 1 UNIDENTIFIED SURFACE VESSEL HULL SECTION UNDER CONSTRUCTION ON BUILDING WAYS.

25X1D

LENINGRAD SHIPYARD BALTIYSK ORDZH 189

UR 5955N Ø3Ø16E

NO CHANGES OR NEW CONSTRUCTION OBSERVED IN YARD AREA.

VESSELS -- 1 PROBABLE J-CLASS SSG IN BASIN, 1 TANKER UNDER CONSTRUCTION AND 1 POSSIBLE MERCHANT SHIP UNDER CONSTRUCTION ON BUILDING WAYS, AND 1 TANKER AND 1 PROBABLE AUXILIARY AT FITTING OUT QUAY.

25X1D

KRASNDARMEYSK AREA CANAL LOCKS

UR 4825N Ø4429E

25X1A

25X1A

NO NAVAL TRAFFIC OBSERVED IN CLOUD-FREE AREAS.

25X1D NO APPARENT CHANGE AT LOCKS 3, 8, AND 9 SINCE MISSION LOCKS 2 AND & CAN BE IDENTIFIED

DNLY. LOCKS 1, 4, 6, AND 7 ARE CLOUD COVERED.

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25X1D

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Other Activity

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# TOP SECRET CHESS RUFF

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### - 25X1A

#### INDEX OF COMOR TARGETS

COMOR

#### INSTALLATION NAME

CTY COORDINATES DAK

TYURATAM MISSILE TEST CENTER	UR	4538N:	Ø6317E	1
DROYANAYA-ICBM COMPLEX KOSTROMA ICBM COMPLEX ITATKA ICBM COMPLEX TEYKOVO ICBM COMPLEX YEDROVO ICBM COMPLEX UZHUR ICBM COMPLEX	UR	5131N-	11300E	1
KOSTROMA JCBM COMPLEX	UR	5746N	Ø41Ø1E	2
ITATKA ICBM COMPLEX	UR	565ØN	Ø8535E	1
TEYKOVO ICBM COMPLEX	UR	5652N	Ø4Ø34E	2
YEDROVO ICBM COMPLEX	UR	5751N	Ø334ØE	2
UZHUR ICBM COMPLEX	UR	5517N	Ø8949E	1
NOVOSIBIRSK ICBM COMPLEX	UŖ	5515N	Ø8259E	1
KOZELSK ICBM COMPLEX	UR	5356N	Ø3549E	2
UZHUR IGBM COMPLEX NOVOSIBIRSK IGBM COMPLEX KOZELSK IGBM COMPLEX KARTALY IGBM COMPLEX TATISHCHEVO IGBM COMPLEX MARINA GORKA MRBM LAUNCH SITE TAYBOLA IRBM LAUNCH SITE 3 SARY—SHAGAN ANTIMISSILE TEST CENTER SHUANG—CHENG—TZU MISSILE TEST CENTER MAGADAN SUSPECT MISSILE TEST FACILITY ZAGORSK ROCKET ENGINE TEST FACILITY	UR	53Ø2N	Ø6Ø35E	1
TATISHCHEVO ICBM COMPLEX	UR	5140N	Ø4534E	2
MARINA GORKA MRBM LAUNCH SITE	ŪR	5326N	Ø2745E	2
TAYBOLA IRBM LAUNCH SITE 3	UR	6825N	Ø3329E	1
SARY-SHAGAN ANTIMISSILE TEST CENTER			Ø7334E	
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	41Ø7N	10020E	1
MAGADAN SUSPECT MISSILE TEST FACILITY	ÜR	6000N	153ØØE	1
	UR	5625N	Ø381ØE	1
TAI-YUAN SOLID PROPELLANT TEST FACILITY			11233E	
BIYSK ROCKET MOTOR TEST FACILITY			Ø85Ø7E:	
KEMEROVO ROCKET MOTOR TEST FACILITY			Ø8557E	
-ZHDANOV SUSPECT ANTI-SATELLITE LNCH FAC			Ø373ØE	
OSTROG PROB INDUSTRIAL INSTALLATION		-	Ø2631E	
SHUMYACHI SUSPECT MISSILE AREA			Ø3228E	
BALABANOVO SUSPECT MISSILE ACTIVITY			Ø364ØE	
SEVEROMORSK SUSPECT NAVAL MSL STORAGE			Ø3328E	
SEVEROMORSK NAVAL BASE			Ø3326E	
SEVEROMORSK NVL MSL SUPP FAC VARLAMOVA BAY	rur	69Ø4N	Ø3323E	ļ
PETROPAVLOVSK NAVAL BASE TARYA BAY			1583ØE	
SOVETSKAYA GAVAN SUBMARINE BASE			14016E	
SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263			14Ø17E	
MOSCOW SUSPECT ABM AREA			Ø3737E	
LENINGRAD AMM/SAM LAUNCH COMPLEXES			Ø3Ø2ØE	
ANTIRINSKOYE SAM ACTIVITY			11332E	
OLENEGORSK DUAL HEN HOUSE-TYPE STRUCTURE			Ø3355E	
CHEREPOVETS AMM/SAM LAUNCH COMPLEX			Ø381ØE	
CHEPELEVKA AIRFIELD			Ø3Ø26E	
DOLON AIRFIELD			Ø7912E	
CHEPELEVKA AIRFIELD  DOLON AIRFIELD  BARANOVICHI AIRFIELD  MINSK/MACHULISHCHE AIRFIELD			Ø26Ø3E	
MINSK/MACHULISHCHE AIRFIELD			Ø2734E	
OLENEGORSK AIRFIELD		_	Ø3327E	
BYKHOV AIRFIELD			Ø3Ø12E	
PRILUKI AIRFIELD	UR	5Ø34N	Ø3219E	1
ORSHA AIRFIELD SOUTHWEST	UR	5426N	Ø3Ø18E	1
NEZHIN AIRFIELD			Ø3152E	
BYKHOV AIRFIELD PRILUKI AIRFIELD ORSHA AIRFIELD SOUTHWEST NEZHIN AIRFIELD GOMEL/PRIBYTKI AIRFIELD	UR	5218N	Ø311ØE	1

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#### TOP SECRET CHESS RUFF

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25X1A

BOBRUYSK AIRFIELD TIKSI AIRFIELD ALEKSEYEVKA AIRFIELD MIRGOROD AIRFIELD KALININ AIRFIELD SOLTSY AIRFIELD TARTU AIRFIELD KARANKUT AIRFIELD MAL-YAVR AIRFIELD SAKI AIRFIELD SARABUZ AIRFIELD SEVEROMORSK AIRFIELD OSTROV/GOROKHOVKA AIRFIELD NORILSK AIRFIELD NORTHWEST TIKSI AIRFIELD WEST **OKTYABRSKOYE AIRFIELD** PETROPAVLOVSK/YELIZOVO AIRFIELD NIKOLAYEV/KULBAKINO AIRFIELD SARY-SHAGAN AIRFIELD KIPELOVO AIRFIELD IRKUTSK AIRFRAME PLANT 39 IRKUTSK AIRFIELD NORTHWEST LIU-CHOU AIRFIELD WU-KUNG AIRFIELD HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG NAN-NING AIRFIELD SOUTH

UR 53Ø6N Ø2912E UR 7141N 12853E 1 · UR' 4915N 14Ø14E 1 UR 4956N Ø3339E 1 UR 5649N Ø3545E 2 UR 5808N 03020E UR 5824N Ø2646E . UR 4534N Ø3416E UR 6852N Ø3343E UR 45Ø6N Ø3336E 2 UR 45Ø7N Ø3359E 2 UR 6901N 03325E 2 UR 5718N Ø2826E UR 6923N Ø8748E UR 7141N 12842E 1 UR 4519N Ø34Ø6E 2 UR 531ØN 15827E 2 UR 4656N Ø32Ø5E UR 46Ø1N Ø733ØE UR 5911N Ø39Ø7E UR 5221N 1Ø412E UR 5222N 1Ø411E CH 2417N 1Ø923E CH 3417N 10815E CH 3417N 10815E CH 2236N 1Ø81ØE

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25X2

KRONSHTADT NAVAL BASE AND SHIPYARD
BALAKLAVA SUBMARINE BASE
RIGA NAVAL BASE & SHPYD BOLDERAJA
BUKHTA SARANNAYA SUSPECT SUB DISP BASE
NIKOLAYEV SHIPYARD NOSENKO 444
NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA 445
GORKIY SHIPYARD & HEAVY EQUIP PLT 112

UR 5959N 02947E 2 UR 4430N 03336E 2 UR 5703N 02402E 2 UR 5245N 15832E 1 UR 4657N 03159E 1 UR 4659N 03201E 1 UR 5622N 04352E 1 Handle Via TALENT-KEYHOLE Control System Only

## TOP SECRET CHESS RUFF

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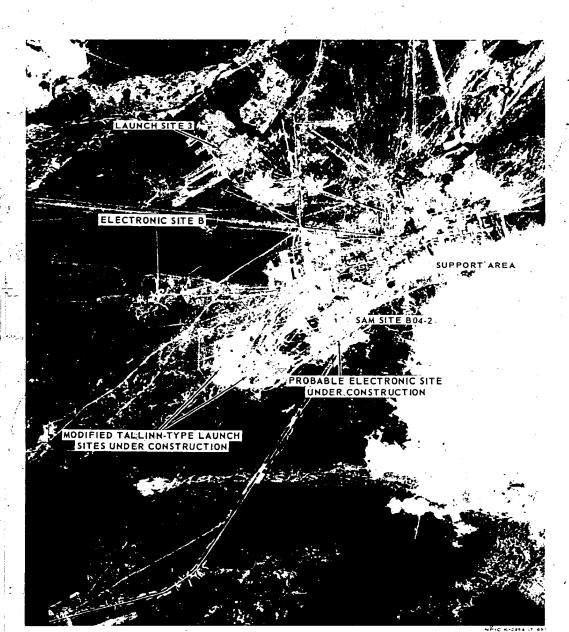
25X2

25X1A

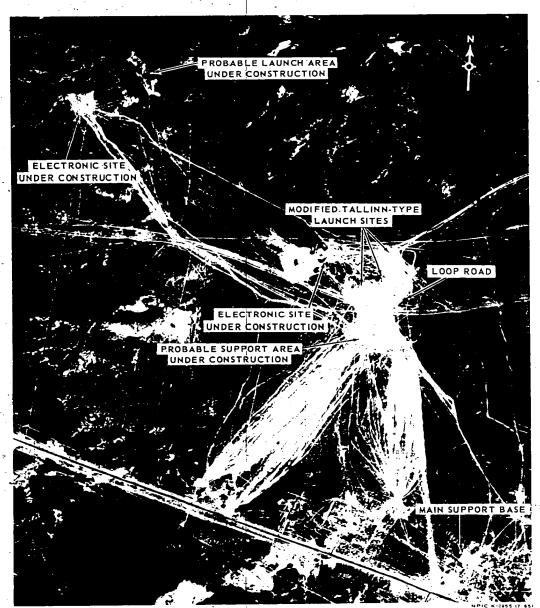
SEVASTOPOL NVL B & SHPYD SEVMORZAVOD 497	UR 4436N	Ø3332E 1
LENINGRAD SHIPYARD SUDOMEKH 196	UR 5956N	Ø3Ø17E 2
LENINGRAD SHIPYARD ZHDANOV 190		Ø3Ø14E 2
LENINGRAD SHIPYARD ADMIRALTY 194	. UR 5955N	Ø3Ø16E 2
LENINGRAD SHIPYARD BALTIYSK ORDZH, 189	UR 5955N	Ø3Ø16E 2
KRASNOARMEYSK AREA GANAL LOCKS	UR 4825N	Ø4429E 2
SIMFEROPOL SPACE TRACKING FACILITY	UR 45Ø3N	Ø3353E 1
MIAD-TANG SPECIAL AREA	CH 2835N	10700E 1
MEDAN COMPLEX	ID Ø335N	Ø984ØE 1

25X2

Attachments

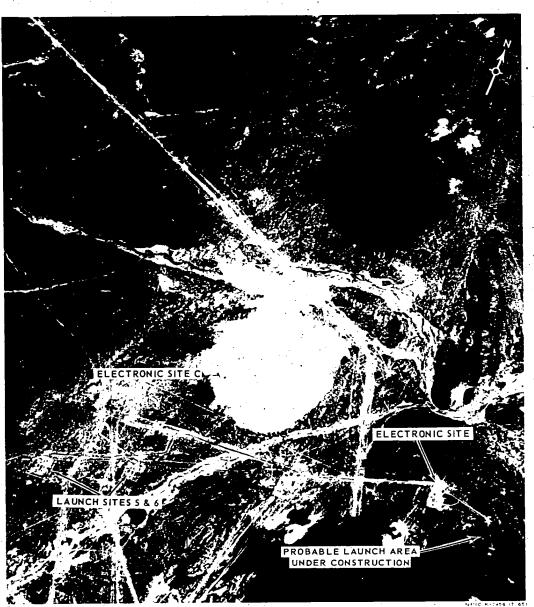


MODIFIED TALLINN - TYPE LAUNCH SITES, LAUNCH COMPLEX A, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR



MODIFIED TALLINN-TYPE LAUNCH SITES, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

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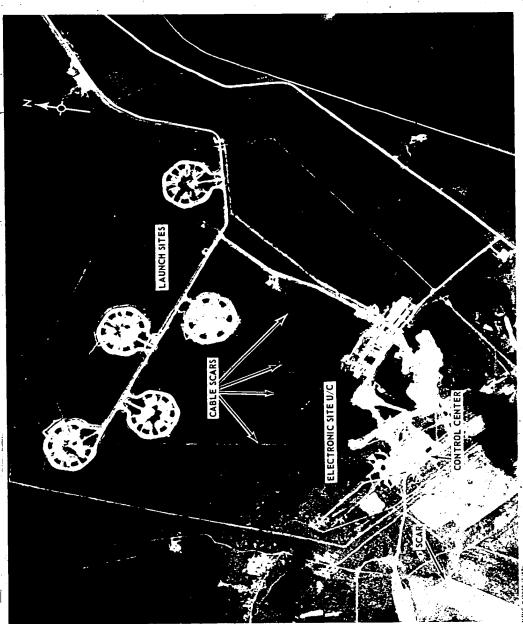
PROBABLE LAUNCH AREA, LAUNCH COMPLEX A, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

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NORTHEAST AMM/SAM LAUNCH COMPLEX, LENINGRAD, US





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SAKI AIRFIELD, USSR

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